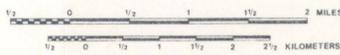
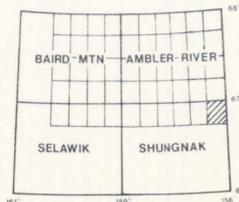


SCALE 1:63,360



AEROMAGNETIC SURVEY
 SHUNGNAK D-1, ALASKA

STATE OF ALASKA
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEY

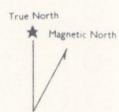


SHUNGNAK D-1
 ALASKA

The magnetic contours shown on this map represent the total anomalous magnetic field of the earth. Variations in this field are caused by the variable magnetic character of rock units crossed by the survey flights, and hence, can be used to estimate the apparent location of rocks rich in magnetic minerals. Such rock units may be either at the surface of the ground or buried beneath it. Anomalies show both positive and negative variations depending on the shape, attitude, and constituents of local rocks. Geophysical interpretation will be helpful in determining boundaries or depth of burial of anomaly-causing rock units. Some anomalies may be impossible to interpret without further geologic information. Basic profile data is retained at the Division of Geological Survey and should be consulted for detailed analysis.

Base map from U.S.G.S. 1:250,000 topographic map series.
 Flown and compiled in 1974-1975 by:
 GeoMetrics, Sunnyvale, California.

CONTOUR INTERVAL 10.0 GAMMAS
 DATUM 56492.96 GAMMAS
 FLIGHT LINE SPACING 1.0 MILE(S)
 FLIGHT ALTITUDE 1000 FEET AGL
 MAGNETIC DECLINATION 23°33' E
 MAGNETIC INCLINATION 77°01' N
 FLOWN AND COMPILED 1974-1975
 INSTRUMENT GEOMETRICS G-803 PROTON MAGNETOMETER



A REGIONAL TREND OF 3.39 GAMMAS/MILE NORTH AND 2.72 GAMMAS/MILE EAST EXISTED AND WAS REMOVED USING THE 1965 IGRF UPDATED TO 1974

Copies of this map may be obtained from
 The Division at 3001 Porcupine Drive, Anchorage, Alaska 99501

49600C 49620C FLIGHT PATH WITH CAMERA FIUCIAL NUMBERS